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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/809,489	03/15/2001	Uk-Jin Kang	678-604(P9457)	5670

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EXAMINER

FLEMING, FRITZ M

ART UNIT

PAPER NUMBER

2182

DATE MAILED: 06/04/2004

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Please find below and/or attached an Office communication concerning this application or proceeding.

SK

Office Action Summary

Application No.

09/809,489

Applicant(s)

KANG ET AL.

Examiner

Fritz M Fleming

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Fritz Fleming
FRITZ FLEMING
PRIMARY EXAMINER
GROUP 2100

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 15 March 2001 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 3.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

1. The disclosure is objected to because of the following informalities: For example, the discussion of the "related art" does not mention all things of Figure 1. The CO 14 and the CO LINE and SIO need explanation in order to fully explain what is shown.

Appropriate correction is required.

2. Figure 1 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

3. The drawings are objected to because the LAN CONNECTION BOARDS should have reference numerals to better aid in the understanding of Figure 2. Additionally, the lines associated with reference numerals of Figure 3 are too light to be easily seen. A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

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5. Claims 1-8 are rejected under 35 U.S.C. 102(e) as being anticipated by Shiran et al.

For claim 1, note the PBX 12, its LAN connection board 74 (i.e. conventional LAN circuit provided with HICOM switches), a unique IP address (software drivers for 74 and provision of TCP/IP protocol, thereby providing a unique IP address) and a connection to the Internet 28 via 14, 18 and 24. A web server is seen at communications server 14 as it has a built in proxy server 50 with HTTP server 52 that allows remote clients 22-26,32 to manage a database in administrator 108 (column 7, lines 6-27 to include database configuration like authorized users, client names, passwords and the like), as managing is very broad to include things like accessing switch applications (column 2) or the ability to allow remote users to access the switch using a commercially available web browser, in order to manage connectivity between software applications residing on the telecom switch and network applications residing on the remote clients. The problems of the related art switch configuration are thus overcome (column 1, lines 22-42) by being able to have user-friendly interface to telecom switch software, such as configuration software and databases via remote and concurrent application sessions. The web server is connected to the PBX and Internet per Figures 1 and 2. Per claim 2, note the use of HTTP server 52 that can run JAVA servlets 63 to permit JAVA based web browsers on the remote computers 22,26 to easily access switch applications and services in which JAVA applets can be transferred to the clients to allow remote users to enter data, and ultimately the export and import of database information (column 7, 108 administrator component), thereby anticipating both the upload and download of

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database information via the remote accessing of administrator component 108 by a remote client. The predetermined authorization procedure is discussed in detail by, for example, the login routine 102. The IP of Point to Point is anticipated by the use of sockets, client server session control, modem connection 30 and single point entry. Regarding claims 4-6, a PBX is a key phone system, and the above discussion shows a LAN connection board 74 connected to the Internet 28 via routing due to intermediate connection of server 14, intranet 18 and firewall 24. A remote client 26 is connected to the same Internet 28. The web server 14 is connected to the client 26 through the internet 28 with a predetermined authentication procedure, *supra*, so that the remote clients can update a database on 14 at 108 via the database import/export, which entails at least a request to upload/download database information to/from the destination sites at the server 14 and clients 26. While PCMMC is not addressed verbatim, such is addressed, as per applicants' definition of PCMMC to include storing data corresponding to a particular input function code, which is anticipated by database configuration of column 7. Regarding claims 7 and 8, at least a message is sent to/from the PBX/WEB SERVER/CLIENTS by activating a web browser via HTTP server 52 on server 14 and the providing of a web page at proxy server 50 (column 3, lines 32-48), the requesting of access to the web server by a client per columns 3-4 by TCP/IP in order to perform a PCMMC, *supra*, authentication via 102, connecting a remote client 26 to the database in 108 per column 7, updating the database and storing such via the database import/export, and finally uploading any changes to the PBX 12 by the web server 14 via the LAN 16 to the ADP 70, which is a file server on switch 12 that

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provides file management services to include database management services for the local switch.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Ju teaches MMC via modem. Hills et al. teach database refresh. Pinard et al. teach local and remote users. Glaser et al. teach the use of database upload and download, LAN connections and a management database in 10 for a PBX. Ihara et al. teach the use of a database 116 and maintenance terminals 117 and 118. Lennert et al. teach the use of workstations 27. Ogiyama teaches a PBX/key telephone system. Curry et al. teach a PBX 28 with a LAN interface 42. Schlossman et al. teach a configuration server 14 for PBXs 22. Lam teaches a server 110 with database 140.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Fritz M Fleming whose telephone number is 703-308-1483. The examiner can normally be reached on 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey Gaffin can be reached on 703-308-1483. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Fritz M. Fleming
Primary Examiner
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fmf